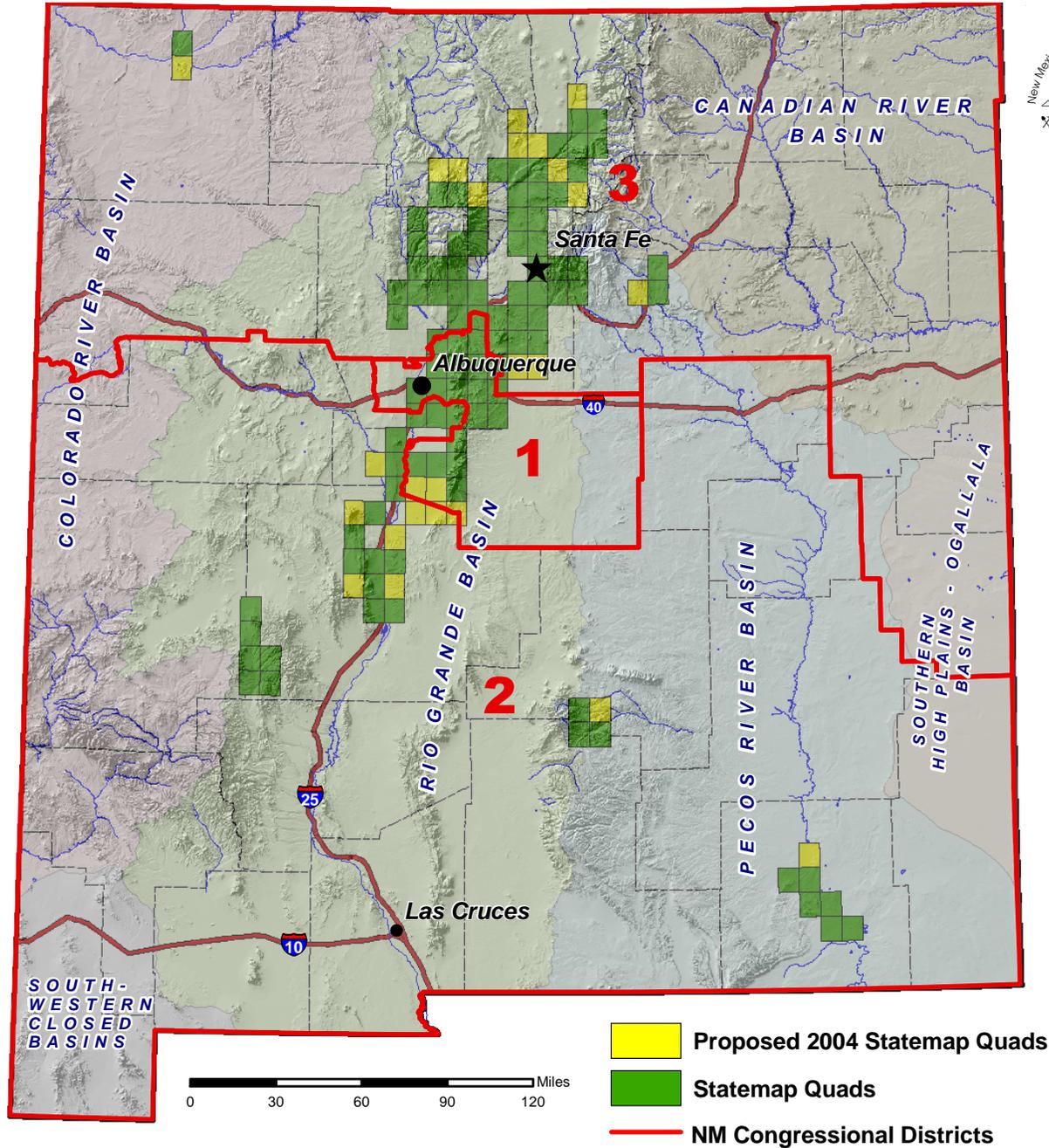


# New Mexico



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## SUMMARY OF STATEMAP GEOLOGIC MAPPING PROGRAM IN NEW MEXICO

Federal fiscal year	No. of quads mapped	7.5- minute geologic quadrangles mapped	Federal Dollars awarded to NMBGMR	NMBGMR Dollars matched	Total Project Dollars
1993-4	1	Tijeras	\$20,000	\$20,001	\$40,001
1994-5	3	Albuquerque East, Placitas, Sandia Crest	\$50,000	\$50,000	\$100,000
1995-6	3	Sandia Park, Hubbell Spring, McClure Reservoir	\$50,000	\$50,078	\$100,078
1996-7	6.5	Isleta, Alameda, Taos SW, Mt. Washington, Sky Village SE, Jemez Pueblo (1/2), Santo Domingo Pueblo (1/2), Glorieta (1/2)	\$165,334	\$165,330	\$330,664
1997-8	10.5	Albuquerque West, Bernalillo, San Ysidro, San Felipe Pueblo, Dalies, Carson, Sedillo, Seton Village (1/2), Bosque Peak (1/2), Loma Creston (1/2), Santo Domingo Pueblo SW (1/2), Jemez Pueblo (1/2), Santo Domingo Pueblo (1/2), Glorieta (1/2)	\$157,421	\$157,421	\$314,842
1998-9	8	San Pedro, Galisteo, Socorro, Edgewood (1/2), San Felipe Pueblo NE (1/2), Santa Fe (1/2), Veguita (1/2), Ranchos de Taos (1/2), Rosilla Peak (1/2), Seton Village (1/2), Bosque Peak (1/2), Loma Creston (1/2), Santo Domingo Pueblo SW (1/2)	\$150,000	\$150,052	\$300,052
1999-0	9.5	Turquoise Hill, Golden, Frijoles, Ojo Hedionda, Captain Davis Mtn. (1/2), Lemitar (1/2), Capilla Peak (1/2), Taos (1/2), Madrid (1/2), Edgewood (1/2), San Felipe Pueblo NE (1/2), Santa Fe (1/2), Veguita (1/2), Ranchos de Taos (1/2), Rosilla Peak (1/2)	\$128,000	\$128,004	\$256,004
2000-1	6.5	Horcado Ranch, Guaje Mtn., Pecos (1/2), Picture Rock (1/2), Hagan (1/2), Escabosa (1/2), Captain Davis Mtn. (1/2), Lemitar (1/2), Capilla Peak (1/2), Taos (1/2), Madrid (1/2)	\$130,000	\$130,000	\$260,000
2001-2	13.5	Cundiyo, Española, Luis Lopez, San Antonio, Ponderosa, Carlsbad West, Carlsbad East, Manzano Peak (1/2), Peñasco (1/2), Los Cordovas (1/2), Kellog Well (1/2), Oak Peak (1/2), Dusty (1/2), Wely Hill (1/2), Wahoo Ranch (1/2), Montoya Butte (1/2), Escabosa (1/2), Pecos (1/2), Picture Rock (1/2), Hagan (1/2)	\$314,138	\$314,201	\$628,339
2002-3	19	Jemez Springs, Bear Springs Peak, Chimayo, San Juan Pueblo, Velarde, Lyden, Silver Creek, Otis, Loving, Las Vegas, Las Vegas NW, Farmington North (1/2), San Lorenzo Spring (1/2), Chilili (1/2), Truchas (1/2), Bland (1/2), Cañada (1/2), Manzano Peak (1/2), Peñasco (1/2), Los Cordovas (1/2), Kellog Well (1/2), Oak Peak (1/2), Dusty (1/2), Wely Hill (1/2), Wahoo Ranch (1/2), Montoya Butte (1/2)	\$317,333	\$317,335	\$634,668
2003-4	16.5	Medanales, Lyden, Tome, Tome NE, Mesa del Yeso, Seven Springs, Cerro del Grant, Polvadera Peak, Ruidoso, Angus, Ruidoso Downs, Farmington North (1/2), San Lorenzo Spring (1/2), Chilili (1/2), Truchas (1/2), Cañada (1/2), Ojo Caliente (1/2), La Joya (1/2), Becker (1/2), Scholle (1/2), Lake McMillan South (1/2), Seven Rivers (1/2)	\$317,881	\$354,877	\$672,758
2004-5	19.5	Taos Junction, El Valle, Trampas, Vallecitos, Cañones, Youngsville, Belen NW, Casa Colorada, Tome SE, Ladron Peak, Loma de las Canas, Fort Stanton, Ojitos Frios, Ojo Caliente (1/2), La Joya (1/2), Becker (1/2), Scholle (1/2), Lake McMillan South (1/2), Seven Rivers (1/2), Arroyo Hondo (1/2), La Madera (1/2), King Draw (1/2), Stanley (1/2), Water Canyon (1/2), Lake McMillan North (1/2), Farmington South (1/2)	\$275,275	\$275,275	\$550,550
TOTALS	116.5		\$2,075,382	\$2,112,574	\$4,187,956

Modern digital geologic maps are essential for New Mexico's environmental and economic prosperity. Geologic maps are uniquely suited to solving problems involving Earth resources, hazards, and environments, and perhaps most importantly for the people of New Mexico, such maps help identify and protect ground-water aquifers, aid in locating water-supply wells, and are fundamental for all environmental studies and land-use plans.

Of the 121,598 sq miles of New Mexico, about 20% has been mapped at the standard scale of 1:24,000 (1 inch=2000 feet). The most critical area is the populated zone along the Rio Grande watershed from the Colorado border to Elephant Butte Reservoir, which contains 50% of the state's population on 4% of its land area. Rapid population growth, shallow alluvial aquifers, large topographic relief, and the alternating scarcity and abundance of precipitation, giving rise to a host of hydrologic and engineering problems.

The New Mexico Bureau of Geology and Mineral Resources geologic mapping program is partly funded by the STATEMAP component of the National Cooperative Geologic Mapping Program. We are now in the twelfth year of an aggressive program designed to rapidly produce and distribute state-of-the-art maps. New Mexico is the most successful state in the country in obtaining STATEMAP funds, totaling \$2,075,382 federal dollars. By June 2005, we will have mapped 97 quadrangles (5,280 sq. miles) in twelve counties and all three congressional districts.

Much of the success of STATEMAP is due to the requirement that maps must be designed to address critical societal and scientific problems. Our program has received widespread support and acclaim from political leaders, government agency scientists, university professors, hydrologists, engineers, planners, attorneys, and citizens. The program is cooperative in the broadest sense, as mapping priorities are set annually by the 40-member NM Geologic Mapping Advisory Board consisting of professionals from state, local, federal, tribal, and private agencies.